

**DETAILED ACTION**

***Response to Arguments***

1. Applicant's amendments to the claims, filed 03/29/2010, are sufficient to overcome the rejection of claims 1 and 21-29 under 35 U.S.C 101. The rejection has been withdrawn.
2. Applicant's arguments, filed 03/29/2010, with respect to the rejection of claims 1, 10, 12-16, and 21-29 under 35 U.S.C. 103 have been fully considered and are persuasive. The rejection has been withdrawn.

***Allowable Subject Matter***

3. Claims 1, 10, 12-16, and 21-29 are allowed.
4. The claimed invention requires that *acceleration wavefield data* be gain recovered, normal moveout corrected, muted, stacked and time migrated, specifically in that order (see remarks, page 5, paragraph 4 - page 6, paragraph 2). These limitations are neither anticipated nor found obvious over the art of record. The closest related prior art, Ray (4353121), teaches the steps of gain recovery, normal moveout correction, muting, stacking, and time migrating. However it does not teach performing the steps on acceleration wavefield data.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krystine Breier whose telephone number is 571-270-7614. The examiner can normally be reached on Monday thru Thursday, 8am-5:30pm EST and alternate Fridays 8am-4:30pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/K. B./  
Examiner, Art Unit 3663

/JACK KEITH/  
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